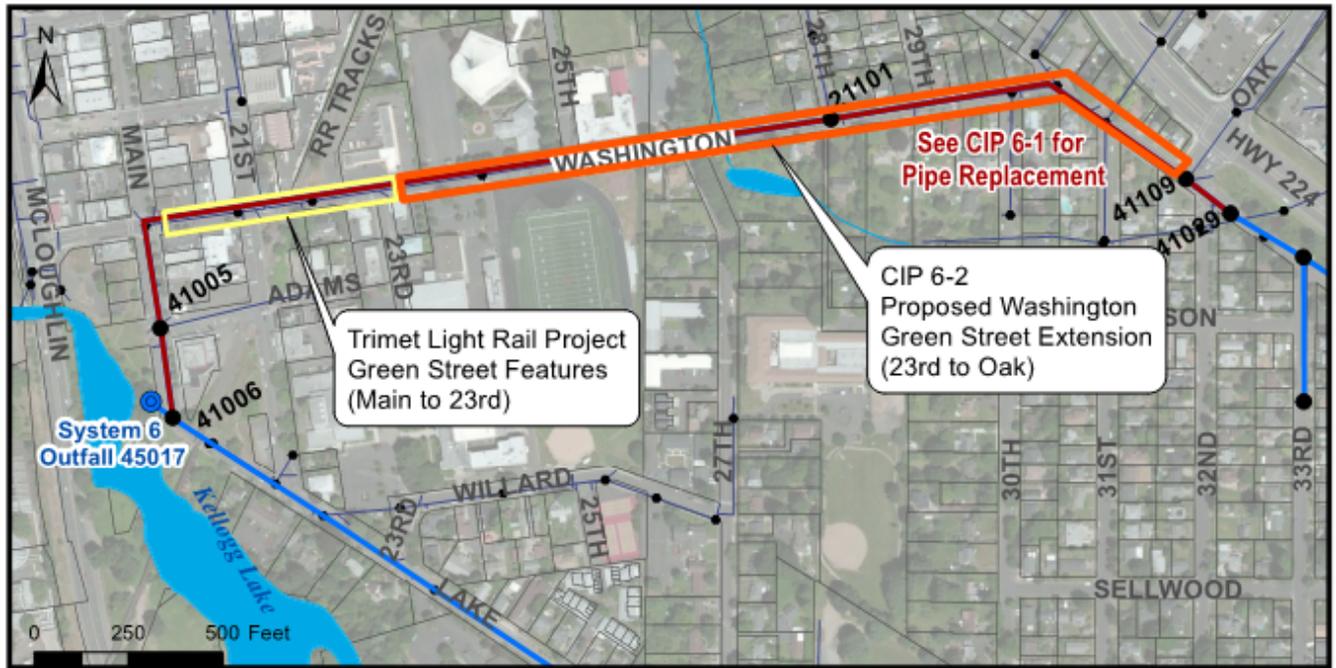


Project Name	Washington Street
Project ID	6-1
Modeled System No.	6
Associated Subbasins	KC10, KC30, KC40, KC50, KC60
Associated Modeled Pipes/Conduits	KC30b (41029_41109), KC30a (41109_21101) KC10b (21101_41005), KC10a (41105_41006)
Objective(s) Addressed	Flood Control – Pipe Capacity Deficiency
Project Description	
<p>The 21-in pipe KC10a on Main Street near Kellogg Lake and the 18-in pipes KC10b and KC30a along Washington Street are under capacity, which is causing predicted flooding along Washington Street between Main Street and Hwy 224 during the 10 and 25-yr existing and future land use scenarios.</p> <p>This CIP includes replacement of 239-ft of existing 21-in concrete pipe with 30-in pipe along KC10a from manhole 41005 to 41006. This CIP also includes replacement of 3,312 feet of existing 18-in concrete pipe with 24-in concrete pipe along KC10b from manhole 41109 to 41005 and KC30a from manhole 41029 to 41005.</p>	
Estimated Planning Cost (2012 dollars)	
Construction Cost Sub-total (See Appendix X for details)	\$1,156,400
Construction Contingency (30%)	\$347,000
Sub-total	\$1,503,400
Engineering and Permitting (15%)	\$225,500
Construction Administration (5%)	\$75,200
Capital Project Implementation Cost Total	\$1,804,100
Existing to Future % Flow Increase¹	17%
Design Assumptions	
<ul style="list-style-type: none"> A segment of this CIP will be installed by Trimet during the construction of the max light rail line between 21st and 25th along Washington Street. However, funding of this segment is still in progress and was included in the cost estimate for this CIP. 	

1. Existing to future percent flow increase is based on the 25-year percent flow increase from the contributing drainage area between the existing and future land use scenarios. This value is used to assign a dollar value to the portion of this CIP which can be attributed to growth.



Project Name	Washington Green Streets
Project ID	6-2
Modeled System No.	6
Associated Subbasins	KC30, KC40, KC50, KC60
Associated Modeled Pipes/ Conduits	KC30b (41029_41109), KC30a (41109_21101) KC10b (21101_41005), KC10a (41105_41006)
Objective(s) Addressed	Water Quality
Project Description	
<p>The contributing area from Washington Street is a high pollutant load generating area. Currently, the Trimet Light Rail Project is installing green street features to provide water quality treatment from Main to 23rd along Washington Street.</p> <p>This CIP includes an extension of the green street features being installed by Trimet, from 23rd to Oak along Washington Street. The installation of CIP 6-1 will involve pipe replacement and repaving a portion of Washington Street, which provides an opportunity to complete green street features while the pipe replacement construction is occurring.</p>	
Estimated Planning Cost (2012 dollars)	
Construction Cost Sub-total (See Appendix X for details)	\$271,200
Construction Contingency (30%)	\$81,400
Sub-total	\$352,600
Engineering and Permitting (40%)	\$141,100
Construction Administration (5%)	\$17,600
Capital Project Implementation Cost Total	\$511,300
Existing to Future % Flow Increase¹	Not applicable
Design Assumptions	
<ul style="list-style-type: none"> The cost of this CIP may be reduced if construction is completed in conjunction with CIP 6-1. Potential efficiencies include mobilization/ demobilization, traffic control, pipe connections, and erosion control costs. 	

1. Existing to future percent flow increase is based on the 25-year percent flow increase from the contributing drainage area between the existing and future land use scenarios. This value is used to assign a dollar value to the portion of this CIP which can be attributed to growth.